## IN THE CLAIMS

1. (Original) A surface layer, comprising:

a substrate element;

a plurality of layers, of which one layer is a transition layer to the substrate element;

wherein the surface layer includes a ceramic layer containing a chemically bonded metal, and wherein the substrate element is a metallic substrate element; and

wherein the transition layer contains intermetallic phases comprising the metal of the substrate element and the metal of the ceramic layer.

- 2. (Original) The surface layer according to Claim 1, wherein the ceramic layer comprises an oxide ceramic.
- 3. (Original) The surface layer according to Claim 1, wherein the ceramic layer comprises at least one of a titanium-containing and siliconcontaining oxide ceramic.
- 4. (Original) The surface layer according to Claim 2, wherein the ceramic layer comprises at least one of a titanium-containing and siliconcontaining oxide ceramic.
- 5. (Original) The surface layer according to Claim 1, wherein the substrate element comprises an alloy material based on at least one of aluminum and iron.

- 6. (Original) The surface layer according to Claim 2, wherein the substrate element comprises an alloy material based on at least one of aluminum and iron.
- 7. (Original) The surface layer according to Claim 3, wherein the substrate element comprises an alloy material based on at least one of aluminum and iron.

## 8. (Cancelled)

- 9. (Original) The surface layer according to Claim 2, wherein the transition layer contains aluminum titanates and aluminum oxide.
- 10. (Original) The surface layer according to Claim 3, wherein the transition layer contains aluminum titanates and aluminum oxide.
- 11. (Original) The surface layer according to Claim 5, wherein the transition layer contains aluminum titanates and aluminum oxide.

## 12 - 15. (Cancelled)

16. (Previously Presented) A surface layer, comprising:

a substrate element;

a plurality of layers, of which one layer is a transition layer to the substrate element;

wherein the surface layer includes a ceramic layer containing a chemically bonded metal, and wherein the substrate element comprises aluminum; and

wherein the transition layer contains intermetallic phases comprising the metal of the substrate element and the metal of the ceramic layer.

## 17. (New) A surface layer, comprising:

a substrate element;

a plurality of layers, of which one layer is a transition layer to the substrate element;

wherein the surface layer includes a ceramic layer containing a chemically bonded metal, and wherein the substrate element is a metallic substrate element;

wherein the transition layer contains intermetallic phases comprising the metal of the substrate element and the metal of the ceramic layer; and

wherein the transition layer contains aluminum titanates and aluminum oxide.